Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/07/2016 10:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124299	-1	1.84	124225	1.80
Blue	F	SSC	125000	123087	-2	3.31	123602	3.15
Blue	E	FITC	22946	22615	-2	2.56	1002	9.78
Blue	D	PE	28770	28371	-2	2.08	1017	8.87
Blue	B	PerCP-Cy5-5	51099	50760	-1	3.35	1455	16.04
Blue	A	PE-Cy7	42312	41973	-1	4.85	650	32.85
Red	C	APC	52169	52062	-1	2.80	3020	9.35
Red	A	APC-Cy7	56705	56144	-1	2.84	1163	10.88
Violet	B	V450	14708	14295	-3	3.95	687	8.74
Violet	A	V500	58608	57429	-3	3.69	2551	6.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19761	3.86	594	-4	N/A	N/A	Pass
Blue	F	SSC	61355	2.15	522	4	N/A	N/A	Pass
Blue	E	FITC	115	35.79	531	0	0.0230	99	Pass
Blue	D	PE	223	26.32	526	0	0.2009	242	Pass
Blue	B	PerCP-Cy5-5	231	40.67	623	1	0.0112	33	Pass
Blue	A	PE-Cy7	74	108.55	670	-1	0.0140	17	Pass
Red	C	APC	350	26.34	588	-2	0.0206	0	Pass
Red	A	APC-Cy7	128	40.07	572	-4	0.0061	1981	Pass
Violet	B	V450	84	40.70	468	9	0.0500	1996	Pass
Violet	A	V500	185	23.17	497	9	0.0151	659	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.39	-31.10	0.83
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	18.20	13.27 - 19.91	N/A	N/A	31.59	31.83	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9807

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments